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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/080,104	02/21/2002	Kaoru Koike	09792909-5344	1692	
26263	7590 12/15/2005		EXAM	EXAMINER	
SONNENSCHEIN NATH & ROSENTHAL LLP			ERDEM	ERDEM, FAZLI	
P.O. BOX 061	080				
WACKER DRIVE STATION, SEARS TOWER			ART UNIT	PAPER NUMBER	
	L 60606-1080		2826		

DATE MAILED: 12/15/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	10/080,104	KOIKE ET AL.	
Office Action Summary	Examiner	Art Unit	
	Fazli Erdem	2826	
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	dress
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim iill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nety filed the mailing date of this co D (35 U.S.C. § 133).	
Status			
1) Responsive to communication(s) filed on 30 Se	eptember 2005.		•
· = · ·	action is non-final.		
3)☐ Since this application is in condition for allowar		secution as to the	merits is
closed in accordance with the practice under E			
Disposition of Claims			
4) Claim(s) 12-37,51-57,61-66,68-82 and 84-86 is	s/are pending in the application.		
4a) Of the above claim(s) is/are withdray			
5) Claim(s) <u>12-37,51-57,62-66,68-82 and 84-86</u> is	s/are allowed.		
6)⊠ Claim(s) <u>61</u> is/are rejected.			
7) ☐ Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction and/or	election requirement.		
Application Papers			
9) The specification is objected to by the Examine	r.		
10) The drawing(s) filed on is/are: a) acce	epted or b) objected to by the i	Examiner.	
Applicant may not request that any objection to the	drawing(s) be held in abeyance. See	e 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the correcti	on is required if the drawing(s) is ob	jected to. See 37 CF	R 1.121(d).
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PT	O-152.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).	
1. Certified copies of the priority documents	s have been received.		
Certified copies of the priority documents	s have been received in Applicati	on No	
Copies of the certified copies of the prior	ity documents have been receive	ed in this National	Stage
application from the International Bureau			
* See the attached detailed Office action for a list	of the certified copies not receive	ed.	
attachment(s)	_		
Notice of References Cited (PTO-892)	4) Interview Summary		
P) Notice of Draftsperson's Patent Drawing Review (PTO-948) Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mail Da 5) Notice of Informal P		-152)
Paper No(s)/Mail Date	6) Other:	·	

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DETAILED ACTION

Allowable Subject Matter

1. Claims 12-37, 51-57, 62-66, 68-82 and 84-86 allowed.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claim 61 rejected under 35 U.S.C. 103(a) as being unpatentable over Yahiro et al. (6,204,509) in view of Mitome et al. (5,695,897) further in view of Fujii et al. (5,939,132)

Regarding Claim 61, Yahiro et al. disclose a projection-microlithography apparatus, masks, and related method incorporating reticle distortion measurement and correction where in figs. 1(a) – 1(f), it is disclosed a plurality of pattern formation regions 50 in which mask circuit patterns are to be formed, and a supporting region 51 in which an y mask circuit is not to be formed where the supporting region being provided for holding plurality of pattern formation regions while separating plurality of pattern formation regions from each other where the supporting region has first alignment marks 53 used at the time of exposure of a mask made from the mask making member for forming the mask circuit pattern and second alignment patterns 301 used at the time of exposure of a substrate to be exposed for forming circuit patterns. Furthermore, Yahiro et al. disclose that first and second alignment marks are formed on an electron scatterer formed on a membrane by selectively removing electron scatterer and first and second

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alignment marks formed on a mask board. Yahiro et al. fail to disclose that first and second alignment marks formed one at a time and the required burying of the contact hole. However, Mitome et al. disclose an alignment method and semiconductor exposure method where in claims 1 and 2, the required one at a time alignment mark method is disclosed. Furthermore, Fujii et al. disclose alignment chips positioned in the peripheral part of the semiconductor substrate and method of manufacturing the same where in columns 2, 5 and 6 the required contact hole burial structure is disclosed.

It would have been obvious to one of having ordinary skill in the art at the time the invention was made to include the required one at a time alignment mark method and the hole burial method in Yahiro et al. as taught by Mitome et al. and Fujii et al. respectively, in order to have a mask making member with increased reliability.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37

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CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fazli Erdem whose telephone number is (571) 272-1914. The examiner can normally be reached on M - F 8:00 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (571) 272-1915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

FE December 11, 2005

